## <u>Abstract</u>

The invention relates to adapters for coupling a substance to be coupled to a cell surface. The invention relates in particular to adapters for coupling an adenoviral fibre knob protein to a cell surface, as well as nucleic acids which code for these adapters, viruses and methods for their use. The invention also relates to substances and methods for mediation and/or improvement of the coupling of substances, such as adenovirus particles, to a cell surface which contains little coxsackie adenovirus receptor or none at all.